

EXHIBIT C

SWORN CERTIFICATION OF PLAINTIFF**CASSAVA SCIENCES, INC. SECURITIES LITIGATION**

I, Manohar K. Rao, individually, and as assignee of the claims of Jyothi Rao and Shyamala Rambhotla, certify that:

1. Jyothi Rao and Shyamala Rambhotla have assigned to me all rights, title, ownership, and interest in claims, demands, and causes of action of any kind whatsoever that they have or may have arising from violations of the federal securities laws of the United States of America in connection with her purchase or acquisition of Cassava Sciences, Inc. securities.
2. I have reviewed the complaint in this action and authorize its filing.
3. The Cassava Sciences, Inc. securities that are the subject of this action were not purchased at the direction of plaintiff's counsel or in order to participate in any private action arising under this title.
4. I am willing to serve as a representative party on behalf of a class and will testify at deposition and trial, if necessary.
5. My transactions, including the transactions related to claims assigned to me, in Cassava Sciences, Inc. securities that are the subject of the complaint during the class period specified in the complaint are as follows:

(See attached transactions)
6. I have not sought to serve, nor served, as a representative party on behalf of a class under this title during the last three years, except in this action.
7. I will not accept any payment for serving as a representative party, except to receive my pro rata share of any recovery or as ordered or approved by the court, including the award to a representative plaintiff of reasonable costs and expenses (including lost wages) directly relating to the representation of the class.

I declare under penalty of perjury that the foregoing are true and correct statements.

8/16/2022

Date

Manohar K. Rao

Manohar K. Rao

Manohar K. Rao's Transactions in Cassava Sciences, Inc. (SAVA) Common Stock**Account 1**

Date	Transaction Type	Quantity	Unit Price
7/6/2021	Bought	50	\$92.6950
7/6/2021	Bought	50	\$90.7708
7/9/2021	Sold	-100	\$99.1621
7/19/2021	Bought	5,100	\$85.0000
7/19/2021	Bought	1,200	\$100.0000
7/23/2021	Sold	-200	\$121.3800
7/28/2021	Sold	-1	\$140.5200
7/28/2021	Sold	-10	\$140.7350
7/28/2021	Sold	-100	\$140.5320
7/28/2021	Sold	-100	\$140.5600
7/28/2021	Sold	-100	\$130.5500
7/28/2021	Sold	-100	\$140.5300
7/28/2021	Sold	-103	\$140.5500
7/28/2021	Sold	-125	\$130.5400
7/28/2021	Sold	-125	\$130.5000
7/28/2021	Sold	-194	\$130.4800
7/28/2021	Sold	-200	\$130.5340
7/28/2021	Sold	-200	\$130.5300
7/28/2021	Sold	-240	\$140.5400
7/28/2021	Sold	-250	\$140.3700
7/28/2021	Sold	-379	\$140.4763
7/28/2021	Sold	-578	\$140.7900
7/28/2021	Sold	-856	\$130.6000
7/28/2021	Sold	-2,439	\$140.3600
8/16/2021	Bought	100	\$119.3300
8/20/2021	Bought	10	\$101.3100
8/23/2021	Bought	60	\$108.0600
8/24/2021	Bought	130	\$117.0000
8/27/2021	Sold	-300	\$53.2200
8/30/2021	Bought	20,100	\$95.0000
8/30/2021	Bought	400	\$52.5797
8/30/2021	Sold	-7,860	\$53.7400
8/30/2021	Sold	-12,240	\$53.6300
9/3/2021	Sold	-200	\$50.0000
9/7/2021	Sold	-200	\$49.5000
9/23/2021	Bought	150	\$56.4383
9/24/2021	Sold	-100	\$59.0000
9/27/2021	Bought	70	\$65.9250
9/28/2021	Sold	-120	\$63.4848

Account 2

Date	Transaction Type	Quantity	Unit Price
8/27/2021	Bought	200	\$90.0000
9/3/2021	Bought	100	\$50.0000
9/7/2021	Sold	-300	\$49.3487
9/23/2021	Bought	300	\$56.6900
9/27/2021	Sold	-300	\$59.0000

Account 3

Date	Transaction Type	Quantity	Unit Price
8/30/2021	Bought	600	\$85.0000
9/7/2021	Sold	-600	\$48.3230
9/23/2021	Bought	500	\$57.1980
9/24/2021	Sold	-500	\$59.0000

Manohar K. Rao's Transactions in Cassava Sciences, Inc. Options**Account 1**

Date	Transaction Type	Contract Type	Exp / Strike	Quantity	Price
7/6/2021	Sold	Put	July 16, 2021 / \$70	-5	\$0.6500
7/6/2021	Sold	Put	July 16, 2021 / \$70	-3	\$0.6500
7/6/2021	Sold	Put	July 16, 2021 / \$70	-2	\$0.6500
7/6/2021	Sold	Put	July 16, 2021 / \$75	-5	\$1.5600
7/9/2021	Sold	Put	July 16, 2021 / \$95	-4	\$2.3000
7/12/2021	Sold	Put	July 16, 2021 / \$95	-6	\$3.4800
7/12/2021	Sold	Put	July 16, 2021 / \$90	-10	\$2.1500
7/12/2021	Sold	Put	July 16, 2021 / \$90	-20	\$2.1400
7/12/2021	Bought	Put	July 16, 2021 / \$90	30	\$1.9600
7/12/2021	Sold	Put	Jul 16, 2021 / \$80	-67	\$0.6000
7/12/2021	Sold	Put	Jul 16, 2021 / \$80	-16	\$0.6000
7/12/2021	Sold	Put	Jul 16, 2021 / \$80	-16	\$0.6000
7/12/2021	Sold	Put	Jul 16, 2021 / \$80	-5	\$0.6000
7/12/2021	Sold	Put	Jul 16, 2021 / \$80	-5	\$0.6000
7/12/2021	Sold	Put	Jul 16, 2021 / \$80	-4	\$0.6000
7/12/2021	Sold	Put	Jul 16, 2021 / \$80	-3	\$0.6000
7/12/2021	Sold	Put	Jul 16, 2021 / \$80	-1	\$0.6000
7/12/2021	Sold	Put	Jul 16, 2021 / \$80	-1	\$0.6000
7/12/2021	Sold	Put	Jul 16, 2021 / \$85	-31	\$0.9500
7/12/2021	Sold	Put	Jul 16, 2021 / \$85	-20	\$1.1200
7/14/2021	Sold	Put	July 16, 2021 / \$95	-3	\$0.8100
7/14/2021	Sold	Put	July 16, 2021 / \$95	13	\$1.2400
7/14/2021	Sold	Put	Jul 16, 2021 / \$100	-12	\$3.1800
7/15/2021	Bought	Put	July 16, 2021 / \$70	10	\$0.2400
7/15/2021	Bought	Put	July 16, 2021 / \$75	5	\$0.3700
7/15/2021	Assigned	Put	Jul 16, 2021 / \$85	51	\$0.0000
7/16/2021	Bought	Put	Jul 16, 2021 / \$80	118	\$0.5000
7/19/2021	Sold	Put	Aug 20, 2021 / \$60	-21	\$5.7000
7/19/2021	Sold	Put	Aug 20, 2021 / \$60	-23	\$5.7000
7/19/2021	Sold	Put	Aug 20, 2021 / \$60	-12	\$5.7000

Date	Transaction Type	Contract Type	Exp / Strike	Quantity	Price
7/19/2021	Sold	Put	Aug 20, 2021 / \$60	-60	\$5.7000
7/19/2021	Sold	Put	Aug 20, 2021 / \$60	-44	\$5.7000
7/19/2021	Sold	Put	Aug 20, 2021 / \$60	-9	\$5.8000
7/19/2021	Sold	Put	Aug 20, 2021 / \$60	-6	\$5.8000
7/19/2021	Sold	Call	Aug 20, 2021 / \$100	-63	\$13.2700
7/19/2021	Assigned	Put	Jul 16, 2021 / \$100	12	\$0.0000
7/21/2021	Sold	Put	Aug 20, 2021 / \$80	-1	\$6.1000
7/21/2021	Sold	Put	Aug 20, 2021 / \$80	-1	\$6.1000
7/21/2021	Sold	Put	Aug 20, 2021 / \$80	-1	\$6.1000
7/21/2021	Sold	Put	Aug 20, 2021 / \$80	-8	\$6.1000
7/21/2021	Sold	Put	Aug 20, 2021 / \$80	-12	\$6.1000
7/22/2021	Sold	Put	Aug 20, 2021 / \$55	-1	\$1.4500
7/22/2021	Sold	Put	Aug 20, 2021 / \$55	-2	\$1.4700
7/23/2021	Bought	Put	Aug 20, 2021 / \$60	100	\$1.6400
7/23/2021	Bought	Put	Aug 20, 2021 / \$60	75	\$1.4500
7/23/2021	Bought	Call	Aug 20, 2021 / \$100	2	\$33.2000
7/23/2021	Bought	Put	Aug 20, 2021 / \$55	2	\$1.1500
7/23/2021	Bought	Put	Aug 20, 2021 / \$55	1	\$1.1300
7/23/2021	Sold	Put	Aug 20, 2021 / \$80	-1	\$4.0000
7/23/2021	Sold	Put	Aug 20, 2021 / \$80	-1	\$4.0000
7/23/2021	Sold	Put	Aug 20, 2021 / \$80	-1	\$4.0000
7/23/2021	Sold	Put	Aug 20, 2021 / \$80	-2	\$4.0000
7/23/2021	Sold	Put	Aug 20, 2021 / \$80	-2	\$4.0000
7/23/2021	Sold	Put	Aug 20, 2021 / \$80	-3	\$4.0000
7/23/2021	Sold	Put	Aug 20, 2021 / \$80	-13	\$3.9000
7/23/2021	Sold	Put	Aug 20, 2021 / \$80	-17	\$3.9200
7/23/2021	Sold	Put	Aug 20, 2021 / \$80	-44	\$4.0000
7/23/2021	Sold	Put	Aug 20, 2021 / \$80	-45	\$3.9000
7/28/2021	Bought	Call	Aug 20, 2021 / \$100	1	\$40.2500
7/28/2021	Bought	Call	Aug 20, 2021 / \$100	4	\$40.2700
7/28/2021	Bought	Call	Aug 20, 2021 / \$100	1	\$40.3000
7/28/2021	Bought	Call	Aug 20, 2021 / \$100	1	\$40.3400
7/28/2021	Bought	Call	Aug 20, 2021 / \$100	11	\$40.3600
7/28/2021	Bought	Call	Aug 20, 2021 / \$100	1	\$45.8000
7/28/2021	Bought	Call	Aug 20, 2021 / \$100	20	\$46.2000
7/28/2021	Bought	Call	Aug 20, 2021 / \$100	1	\$46.2000
7/28/2021	Bought	Call	Aug 20, 2021 / \$100	5	\$46.2000
7/28/2021	Bought	Call	Aug 20, 2021 / \$100	5	\$46.2000
7/28/2021	Bought	Call	Aug 20, 2021 / \$100	2	\$46.2000
7/28/2021	Bought	Call	Aug 20, 2021 / \$100	4	\$46.3000
7/28/2021	Bought	Call	Aug 20, 2021 / \$100	3	\$45.8900
7/28/2021	Bought	Call	Aug 20, 2021 / \$100	2	\$45.9700
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	35	\$3.8000
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	22	\$3.9000
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	18	\$3.8000
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	7	\$3.7900
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	7	\$3.8000
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	7	\$3.8000
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	7	\$3.8000

Date	Transaction Type	Contract Type	Exp / Strike	Quantity	Price
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	7	\$3.9000
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	6	\$3.8000
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	5	\$3.9000
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	5	\$3.9000
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	4	\$3.8000
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	4	\$3.9000
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	3	\$3.9000
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	3	\$3.9000
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	3	\$3.9000
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	2	\$3.8000
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	2	\$3.8000
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	2	\$3.9000
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	1	\$3.7500
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	1	\$3.7800
7/28/2021	Bought	Put	Aug 20, 2021 / \$80	1	\$3.9000
8/3/2021	Sold	Put	Aug 20, 2021 / \$55	-2	\$1.3500
8/3/2021	Sold	Put	Aug 20, 2021 / \$55	-2	\$1.3600
8/3/2021	Sold	Put	Aug 20, 2021 / \$55	-2	\$1.4000
8/3/2021	Sold	Put	Aug 20, 2021 / \$55	-2	\$1.4000
8/3/2021	Sold	Put	Aug 20, 2021 / \$55	-3	\$1.3000
8/3/2021	Sold	Put	Aug 20, 2021 / \$55	-5	\$1.3500
8/3/2021	Sold	Put	Aug 20, 2021 / \$55	-8	\$1.4000
8/3/2021	Sold	Put	Aug 20, 2021 / \$55	-9	\$1.4000
8/3/2021	Sold	Put	Aug 20, 2021 / \$55	-12	\$1.3000
8/3/2021	Sold	Put	Aug 20, 2021 / \$55	-14	\$1.4000
8/3/2021	Sold	Put	Aug 20, 2021 / \$55	-18	\$1.3000
8/3/2021	Sold	Put	Aug 20, 2021 / \$55	-25	\$1.3000
8/3/2021	Sold	Put	Aug 20, 2021 / \$55	-29	\$1.4000
8/3/2021	Sold	Put	Aug 20, 2021 / \$55	-30	\$1.3500
8/3/2021	Sold	Put	Aug 20, 2021 / \$55	-49	\$1.4000
8/3/2021	Sold	Put	Aug 20, 2021 / \$55	-53	\$1.3100
8/3/2021	Sold	Put	Aug 20, 2021 / \$55	-65	\$1.3000
8/11/2021	Bought	Put	Aug 20, 2021 / \$55	51	\$0.3000
8/11/2021	Bought	Put	Aug 20, 2021 / \$55	47	\$0.3000
8/11/2021	Bought	Put	Aug 20, 2021 / \$55	42	\$0.2500
8/11/2021	Bought	Put	Aug 20, 2021 / \$55	37	\$0.3000
8/11/2021	Bought	Put	Aug 20, 2021 / \$55	24	\$0.3000
8/11/2021	Bought	Put	Aug 20, 2021 / \$55	23	\$0.3000
8/11/2021	Bought	Put	Aug 20, 2021 / \$55	23	\$0.3000
8/11/2021	Bought	Put	Aug 20, 2021 / \$55	21	\$0.2500
8/11/2021	Bought	Put	Aug 20, 2021 / \$55	20	\$0.3000
8/11/2021	Bought	Put	Aug 20, 2021 / \$55	11	\$0.3000
8/11/2021	Bought	Put	Aug 20, 2021 / \$55	9	\$0.2500
8/11/2021	Bought	Put	Aug 20, 2021 / \$55	7	\$0.3000
8/11/2021	Bought	Put	Aug 20, 2021 / \$55	5	\$0.2500
8/11/2021	Bought	Put	Aug 20, 2021 / \$55	3	\$0.2400
8/11/2021	Bought	Put	Aug 20, 2021 / \$55	2	\$0.2500
8/11/2021	Bought	Put	Aug 20, 2021 / \$55	2	\$0.3000
8/11/2021	Bought	Put	Aug 20, 2021 / \$55	1	\$0.2500

Date	Transaction Type	Contract Type	Exp / Strike	Quantity	Price
8/11/2021	Sold	Put	Aug 20, 2021 / \$80	-5	\$1.0100
8/11/2021	Sold	Put	Aug 20, 2021 / \$90	-1	\$2.1000
8/11/2021	Sold	Put	Aug 20, 2021 / \$90	-1	\$2.1000
8/11/2021	Sold	Put	Aug 20, 2021 / \$90	-2	\$2.1000
8/11/2021	Sold	Put	Aug 20, 2021 / \$90	-2	\$2.1000
8/11/2021	Sold	Put	Aug 20, 2021 / \$90	-2	\$2.1000
8/11/2021	Sold	Put	Aug 20, 2021 / \$90	-3	\$2.1100
8/11/2021	Sold	Put	Aug 20, 2021 / \$85	-30	\$1.3500
8/11/2021	Sold	Put	Aug 20, 2021 / \$85	-25	\$1.4000
8/11/2021	Sold	Put	Aug 20, 2021 / \$85	-25	\$1.3500
8/11/2021	Sold	Put	Aug 20, 2021 / \$85	-24	\$1.3500
8/11/2021	Sold	Put	Aug 20, 2021 / \$85	-23	\$1.3500
8/11/2021	Sold	Put	Aug 20, 2021 / \$85	-16	\$1.3500
8/11/2021	Sold	Put	Aug 20, 2021 / \$85	-16	\$1.3500
8/11/2021	Sold	Put	Aug 20, 2021 / \$85	-11	\$1.3500
8/11/2021	Sold	Put	Aug 20, 2021 / \$85	-9	\$1.3500
8/11/2021	Sold	Put	Aug 20, 2021 / \$85	-5	\$1.4000
8/11/2021	Sold	Put	Aug 20, 2021 / \$85	-5	\$1.3500
8/11/2021	Sold	Put	Aug 20, 2021 / \$85	-3	\$1.3500
8/11/2021	Sold	Put	Aug 20, 2021 / \$85	-3	\$1.3500
8/11/2021	Sold	Put	Aug 20, 2021 / \$85	-2	\$1.4100
8/11/2021	Sold	Put	Aug 20, 2021 / \$85	-2	\$1.3600
8/11/2021	Sold	Put	Aug 20, 2021 / \$85	-1	\$1.3500
8/13/2021	Bought	Put	Aug 20, 2021 / \$80	3	\$0.6000
8/13/2021	Bought	Put	Aug 20, 2021 / \$80	1	\$0.5000
8/13/2021	Bought	Put	Aug 20, 2021 / \$80	1	\$0.6000
8/13/2021	Sold	Put	Aug 20, 2021 / \$95	-3	\$0.9000
8/13/2021	Sold	Put	Aug 20, 2021 / \$95	-4	\$0.9000
8/13/2021	Sold	Put	Aug 20, 2021 / \$95	-4	\$0.9000
8/13/2021	Sold	Put	Aug 20, 2021 / \$95	-6	\$0.9000
8/13/2021	Sold	Put	Aug 20, 2021 / \$95	-6	\$0.9100
8/13/2021	Sold	Put	Aug 20, 2021 / \$95	-7	\$0.9000
8/13/2021	Sold	Put	Aug 20, 2021 / \$95	-8	\$0.9000
8/13/2021	Sold	Put	Aug 20, 2021 / \$95	-8	\$0.9000
8/13/2021	Sold	Put	Aug 20, 2021 / \$95	-9	\$0.9000
8/13/2021	Sold	Put	Aug 20, 2021 / \$95	-11	\$0.9000
8/13/2021	Sold	Put	Aug 20, 2021 / \$95	-11	\$0.9000
8/13/2021	Sold	Put	Aug 20, 2021 / \$95	-12	\$0.9000
8/13/2021	Sold	Put	Aug 20, 2021 / \$95	-28	\$0.9000
8/13/2021	Sold	Put	Aug 20, 2021 / \$95	-63	\$0.9000
8/13/2021	Bought	Put	Aug 20, 2021 / \$85	1	\$0.8000
8/13/2021	Bought	Put	Aug 20, 2021 / \$85	2	\$0.8000
8/13/2021	Bought	Put	Aug 20, 2021 / \$85	9	\$0.8000
8/13/2021	Bought	Put	Aug 20, 2021 / \$85	19	\$0.8000
8/13/2021	Bought	Put	Aug 20, 2021 / \$85	26	\$0.8000
8/13/2021	Bought	Put	Aug 20, 2021 / \$85	35	\$0.8000
8/13/2021	Bought	Put	Aug 20, 2021 / \$85	51	\$0.8000
8/13/2021	Bought	Put	Aug 20, 2021 / \$85	57	\$0.8000
8/16/2021	Sold	Put	Aug 20, 2021 / \$90	-10	\$0.6700

Date	Transaction Type	Contract Type	Exp / Strike	Quantity	Price
8/16/2021	Sold	Call	Aug 20, 2021 / \$125	-1	\$5.9400
8/19/2021	Bought	Put	Aug 20, 2021 / \$90	21	\$1.4300
8/19/2021	Bought	Call	Aug 20, 2021 / \$125	1	\$0.3500
8/19/2021	Sold	Put	Aug 20, 2021 / \$95	-20	\$2.2300
8/19/2021	Sold	Call	Aug 27, 2021 / \$125	-1	\$5.3000
8/20/2021	Bought	Put	Aug 20, 2021 / \$95	121	\$0.3000
8/20/2021	Bought	Put	Aug 20, 2021 / \$95	27	\$0.3000
8/20/2021	Bought	Put	Aug 20, 2021 / \$95	19	\$0.3000
8/20/2021	Bought	Put	Aug 20, 2021 / \$95	9	\$0.3000
8/20/2021	Bought	Put	Aug 20, 2021 / \$95	9	\$0.3000
8/20/2021	Bought	Put	Aug 20, 2021 / \$95	5	\$0.3000
8/20/2021	Bought	Put	Aug 20, 2021 / \$95	4	\$0.3000
8/20/2021	Bought	Put	Aug 20, 2021 / \$95	3	\$0.3000
8/20/2021	Bought	Put	Aug 20, 2021 / \$95	2	\$0.2900
8/20/2021	Bought	Put	Aug 20, 2021 / \$95	1	\$0.3000
8/20/2021	Sold	Put	Aug 20, 2021 / \$100	-4	\$0.7100
8/20/2021	Sold	Put	Aug 20, 2021 / \$100	-3	\$0.7000
8/20/2021	Sold	Put	Aug 20, 2021 / \$100	-26	\$0.7000
8/20/2021	Sold	Put	Aug 20, 2021 / \$100	-6	\$0.7000
8/20/2021	Sold	Put	Aug 20, 2021 / \$100	-4	\$0.6600
8/20/2021	Sold	Put	Aug 20, 2021 / \$100	-2	\$0.7000
8/20/2021	Sold	Put	Aug 20, 2021 / \$100	-1	\$0.6500
8/20/2021	Sold	Put	Aug 20, 2021 / \$100	-5	\$0.6500
8/20/2021	Sold	Put	Aug 20, 2021 / \$100	-1	\$0.6500
8/20/2021	Sold	Put	Aug 20, 2021 / \$100	-3	\$0.7000
8/20/2021	Sold	Put	Aug 20, 2021 / \$100	-91	\$0.6500
8/20/2021	Sold	Put	Aug 20, 2021 / \$100	-43	\$0.6500
8/20/2021	Expired	Put	Aug 20, 2021 / \$100	189	\$0.0000
8/23/2021	Sold	Put	Aug 27, 2021 / \$95	-87	\$1.1500
8/23/2021	Sold	Put	Aug 27, 2021 / \$95	-72	\$1.1500
8/23/2021	Sold	Put	Aug 27, 2021 / \$95	-39	\$1.2000
8/23/2021	Sold	Put	Aug 27, 2021 / \$85	-76	\$2.1500
8/23/2021	Sold	Put	Aug 27, 2021 / \$85	-26	\$1.9000
8/23/2021	Sold	Put	Aug 27, 2021 / \$85	-24	\$1.9700
8/23/2021	Sold	Put	Aug 27, 2021 / \$85	-18	\$2.0500
8/23/2021	Sold	Put	Aug 27, 2021 / \$85	-17	\$2.0600
8/23/2021	Sold	Put	Aug 27, 2021 / \$85	-15	\$1.9000
8/23/2021	Sold	Put	Aug 27, 2021 / \$85	-10	\$2.0000
8/23/2021	Sold	Put	Aug 27, 2021 / \$85	-8	\$2.1000
8/23/2021	Sold	Put	Aug 27, 2021 / \$85	-7	\$2.1000
8/23/2021	Sold	Put	Aug 27, 2021 / \$85	-6	\$2.1100
8/23/2021	Sold	Put	Aug 27, 2021 / \$85	-4	\$2.1700
8/23/2021	Sold	Put	Aug 27, 2021 / \$85	-4	\$2.1500
8/23/2021	Sold	Put	Aug 27, 2021 / \$85	-3	\$2.1600
8/23/2021	Sold	Put	Aug 27, 2021 / \$85	-2	\$2.1500
8/23/2021	Sold	Put	Aug 27, 2021 / \$85	-2	\$2.1000
8/23/2021	Sold	Put	Aug 27, 2021 / \$85	-1	\$1.9100
8/23/2021	Sold	Put	Aug 27, 2021 / \$85	-1	\$1.9000
8/23/2021	Bought	Put	Aug 27, 2021 / \$85	6	\$0.9500

Date	Transaction Type	Contract Type	Exp / Strike	Quantity	Price
8/23/2021	Bought	Put	Aug 27, 2021 / \$85	12	\$0.8500
8/23/2021	Bought	Put	Aug 27, 2021 / \$85	15	\$0.7500
8/23/2021	Bought	Put	Aug 27, 2021 / \$85	24	\$0.7200
8/23/2021	Bought	Put	Aug 27, 2021 / \$85	50	\$0.8000
8/23/2021	Bought	Put	Aug 27, 2021 / \$85	117	\$0.9000
8/24/2021	Sold	Put	Aug 27, 2021 / \$95	-6	\$0.8500
8/24/2021	Sold	Call	Aug 27, 2021 / \$125	-2	\$3.2400
8/25/2021	Bought	Call	Aug 27, 2021 / \$125	3	\$1.1000
8/27/2021	Bought	Put	Aug 27, 2021 / \$95	3	\$43.9200
8/30/2021	Assigned	Put	Aug 27, 2021 / \$95	201	\$0.0000
8/30/2021	Sold	Call	Sep 03, 2021 / \$60	-4	\$4.2300
9/1/2021	Sold	Call	Sep 03, 2021 / \$52	-4	\$3.1800
9/1/2021	Bought	Call	Sep 03, 2021 / \$60	4	\$1.0300
9/1/2021	Sold	Put	Sep 03, 2021 / \$35	-1	\$0.2000
9/1/2021	Sold	Put	Sep 03, 2021 / \$35	-15	\$0.1500
9/1/2021	Sold	Put	Sep 03, 2021 / \$40	-1	\$0.4500
9/1/2021	Sold	Put	Sep 03, 2021 / \$40	-1	\$0.4500
9/1/2021	Sold	Put	Sep 03, 2021 / \$40	-2	\$0.4500
9/1/2021	Sold	Put	Sep 03, 2021 / \$40	-2	\$0.4500
9/1/2021	Sold	Put	Sep 03, 2021 / \$40	-4	\$0.4500
9/3/2021	Sold	Call	Sep 03, 2021 / \$50	-4	\$0.3000
9/3/2021	Bought	Call	Sep 03, 2021 / \$52	4	\$0.5000
9/7/2021	Expired	Call	Sep 03, 2021 / \$50	2	\$0.0000
9/7/2021	Assigned	Call	Sep 03, 2021 / \$50	2	\$0.0000
9/7/2021	Expired	Put	Sep 03, 2021 / \$35	16	\$0.0000
9/7/2021	Expired	Put	Sep 03, 2021 / \$40	10	\$0.0000
9/22/2021	Sold	Call	Sep 24, 2021 / \$59	-1	\$1.1600
9/24/2021	Assigned	Call	Sep 24, 2021 / \$59	1	\$0.0000
10/13/2021	Sold	Put	Oct 15 2021 / \$42	-14	\$0.1000
10/13/2021	Bought	Put	Oct 15 2021 / \$46	48	\$0.1600
10/13/2021	Sold	Put	Oct 15 2021 / \$46	-34	\$0.1000
10/13/2021	Sold	Put	Oct 15 2021 / \$46	-14	\$0.1000
10/14/2021	Bought	Put	Oct 15 2021 / \$42	14	\$0.1500
11/19/2021	Sold	Put	Nov 26 2021 / \$30	-69	\$0.1300
11/19/2021	Sold	Put	Nov 26 2021 / \$30	-1	\$0.1500
11/26/2021	Expired	Put	Nov 26 2021 / \$30	70	\$0.0000
11/26/2021	Sold	Put	Dec 03 2021 / \$30	-56	\$0.0600
11/26/2021	Sold	Put	Dec 03 2021 / \$30	-62	\$0.0500
11/26/2021	Sold	Put	Dec 03 2021 / \$30	-21	\$0.0500
11/26/2021	Sold	Put	Dec 03 2021 / \$30	-17	\$0.0500
11/26/2021	Sold	Put	Dec 03 2021 / \$30	-13	\$0.0500
11/26/2021	Sold	Put	Dec 03 2021 / \$30	-8	\$0.0500
11/26/2021	Sold	Put	Dec 03 2021 / \$30	-7	\$0.0500
11/26/2021	Sold	Put	Dec 03 2021 / \$30	-7	\$0.0500
11/26/2021	Sold	Put	Dec 03 2021 / \$30	-2	\$0.1000
11/26/2021	Sold	Put	Dec 03 2021 / \$30	-4	\$0.0500
11/26/2021	Sold	Put	Dec 03 2021 / \$30	-3	\$0.0500
11/30/2021	Bought	Put	Dec 03 2021 / \$30	1	\$0.1000
11/30/2021	Bought	Put	Dec 03 2021 / \$30	11	\$0.1500

Date	Transaction Type	Contract Type	Exp / Strike	Quantity	Price
11/30/2021	Bought	Put	Dec 03 2021 / \$30	18	\$0.1500
11/30/2021	Bought	Put	Dec 03 2021 / \$30	17	\$0.1500
11/30/2021	Bought	Put	Dec 03 2021 / \$30	20	\$0.1400
11/30/2021	Bought	Put	Dec 03 2021 / \$30	22	\$0.1500
11/30/2021	Bought	Put	Dec 03 2021 / \$30	5	\$0.1500
11/30/2021	Bought	Put	Dec 03 2021 / \$30	92	\$0.1500
11/30/2021	Bought	Put	Dec 03 2021 / \$30	7	\$0.1500
11/30/2021	Bought	Put	Dec 03 2021 / \$30	7	\$0.1500

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Date	Transaction Type	Contract Type	Exp / Strike	Quantity	Price
7/12/2021	Sold	Put	Jul 16, 2021 / \$85	-2	\$0.9100
7/16/2021	Bought	Put	Jul 16, 2021 / \$85	2	\$1.4200
7/22/2021	Sold	Put	Aug 20, 2021 / \$55	-2	\$1.5300
7/22/2021	Sold	Put	Aug 20, 2021 / \$55	-1	\$1.5000
8/13/2021	Bought	Put	Aug 20, 2021 / \$55	3	\$0.2600
8/13/2021	Sold	Put	Aug 20, 2021 / \$100	-2	\$1.7500
8/20/2021	Expired	Put	Aug 20, 2021 / \$100	2	\$0.0000
8/23/2021	Sold	Put	Aug 27, 2021 / \$90	-2	\$2.6000
8/30/2021	Assigned	Put	Aug 27, 2021 / \$90	2	\$0.0000
8/30/2021	Sold	Call	Sep 03, 2021 / \$60	-2	\$3.5000
8/30/2021	Sold	Put	Sep 03, 2021 / \$50	-1	\$1.6500
8/31/2021	Bought	Call	Sep 03, 2021 / \$60	2	\$1.0700
8/31/2021	Sold	Call	Sep 03, 2021 / \$51	-2	\$3.7100
9/3/2021	Assigned	Put	Sep 03, 2021 / \$50	1	\$0.0000
9/3/2021	Expired	Call	Sep 03, 2021 / \$51	2	\$0.0000
9/22/2021	Sold	Call	Sep 24, 2021 / \$59	-3	\$1.1000
9/24/2021	Assigned	Call	Sep 24, 2021 / \$59	3	\$0.0000
9/24/2021	Sold	Put	Oct 01, 2021 / \$55	-3	\$0.8500
9/27/2021	Bought	Put	Oct 01, 2021 / \$55	3	\$0.5700

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Date	Transaction Type	Contract Type	Exp / Strike	Quantity	Price
7/12/2021	Sold	Put	Jul 16, 2021 / \$85	-23	\$1.0800
7/16/2021	Bought	Put	Jul 16, 2021 / \$85	23	\$1.5400
7/19/2021	Sold	Put	Aug 20, 2021 / \$60	-33	\$5.9000
7/22/2021	Sold	Put	Aug 20, 2021 / \$50	-2	\$1.0800
7/22/2021	Sold	Put	Aug 20, 2021 / \$50	-1	\$1.0700
7/23/2021	Bought	Put	Aug 20, 2021 / \$50	3	\$1.1000
7/23/2021	Bought	Put	Aug 20, 2021 / \$60	2	\$1.6500
7/23/2021	Bought	Put	Aug 20, 2021 / \$60	2	\$1.6500
7/23/2021	Bought	Put	Aug 20, 2021 / \$60	3	\$1.6500
7/23/2021	Bought	Put	Aug 20, 2021 / \$60	3	\$1.6500
7/23/2021	Bought	Put	Aug 20, 2021 / \$60	3	\$1.6500
7/23/2021	Bought	Put	Aug 20, 2021 / \$60	3	\$1.6500
7/23/2021	Bought	Put	Aug 20, 2021 / \$60	5	\$1.6500
7/23/2021	Bought	Put	Aug 20, 2021 / \$60	5	\$1.6500

Date	Transaction Type	Contract Type	Exp / Strike	Quantity	Price
7/23/2021	Bought	Put	Aug 20, 2021 / \$60	7	\$1.6500
8/20/2021	Sold	Put	Aug 20, 2021 / \$101	-5	\$1.1500
8/20/2021	Expired	Put	Aug 20, 2021 / \$101	5	\$0.0000
8/23/2021	Sold	Put	Aug 27, 2021 / \$85	-6	\$2.5100
8/30/2021	Assigned	Put	Aug 27, 2021 / \$85	6	\$0.0000
8/30/2021	Sold	Call	Sep 03, 2021 / \$60	-6	\$3.4800
8/31/2021	Sold	Put	Sep 03, 2021 / \$50	-1	\$1.8100
9/1/2021	Sold	Call	Sep 03, 2021 / \$52	-6	\$3.1900
9/1/2021	Bought	Call	Sep 03, 2021 / \$60	6	\$1.1100
9/1/2021	Bought	Put	Sep 03, 2021 / \$50	1	\$2.2700
9/7/2021	Expired	Call	Sep 03, 2021 / \$52	6	\$0.0000
9/22/2021	Sold	Call	Sep 24, 2021 / \$59	-5	\$1.3400
9/22/2021	Assigned	Call	Sep 24, 2021 / \$59	5	\$0.0000
9/24/2021	Sold	Put	Oct 01, 2021 / \$55	-6	\$0.8600
9/27/2021	Bought	Put	Oct 01, 2021 / \$55	6	\$0.6000